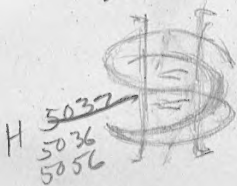
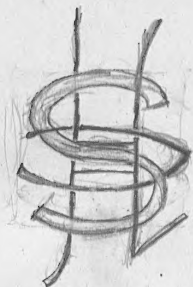


H5036-
5056.

D 5732-
5752.



H 5032
5036
5056

D 5732
5752



NSA

SCM

Dredge { No. 5732 Date, March 11, 1912
Hydrog. {
Sdg. Mch. Hand line Reel Shot Lead 14 lbs.

Turns Cor'n Depth 12 1/2 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 51 Time 10:34 } Air { 51°
51 Time 10:50 } 51°

Density: Surf. fms.

Wind: Direction E Force 2

Baromet. 30.10 Amt. of Clouds 10 State of Sea C

Weather Bsp.

Direction and Force of Current { Surface
Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used 9' Agassiz trawl

2 wing weights, 1 tail weight,
3 glass floats, 1 mud bag.

Time towing h. 17 m.

Remarks:

Deck Officer Mr. R. H. King Recorder J. W. Chase

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
M. DOWN.	UP.	M.			A M. DOWN.	UP.	A M.	
				0	10	31	00	10 52 30
				40 100	10	33	40	10 50 10
				200				
				300				
				400				
				500				
				600				
				700				
				800				
				900				
				1000				
				1100				
				1200				
				1300				
				1400				
				1500				
				1600				
				1700				
				1800				
				1900				
				2000				
				2100				
				2200				
				2300				
				2400				
				2500				
				2600				
				2700				
				2800				
				2900				
				3000				
				3100				
				3200				
				3300				
				3400				
				3500				
				3600				
				3700				
				3800				
				3900				
				4000				
				4100				
				4200				
				4300				
				4400				
				4500				
				4600				
				4700				
				4800				
				4900				

Dredge } No. 5036 Date, March 11, 1912
Hydrog. }

Sdg. Mch. Handline Reel Shot Lead 14 lbs.

Turns Cor'n Depth 9 1/2 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 57 Time 10:53 Air { 57
Time

Density: Surf. fms.

Wind: Direction E Force 2

Baromet. 30.10 Amt. of Clouds 10 State of Sea C

Weather op.

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Pettig Recorder J. W. Cider

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M. Down.			Up. M.				M. Down.			Up. M.		
						0						
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
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						2300						
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						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
						3300						
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						3500						
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

Dredge } No. 5733 Date, March 11, 1912
Hydrog. }
Sdg. Mch. Hand line Reel Shot 14 lbs.
Lead }
Turns Cor'n Depth 9 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 51 Time 11:08 Air { 51
51 Time 11:28 51

Density: Surf. fms.

Wind: Direction E Force 3

Baromet. 30.08 Amt. of Clouds 10 State of Sea C

Weather o.p.

Direction and Force of Current { Surface
Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used 9 Agassiz 1 pulley

2 min g weights 1 Tail weight

3 glass floats 1 mud bag

Time towing h. 20 m.

Remarks:

Deck Officer W. B. King Recorder A. W. Coker

SOUNDING WIRE.					FMS.	DREDGING CABLE.					
M. Down.		Up.	M.			A. M. Down.		Up.	A. M.		
					0	11	06	00	11	29	30
					30 100	11	07	50	11	27	50
					200						
					300						
					400						
					500						
					600						
					700						
					800						
					900						
					1000						
					1100						
					1200						
					1300						
					1400						
					1500						
					1600						
					1700						
					1800						
					1900						
					2000						
					2100						
					2200						
					2300						
					2400						
					2500						
					2600						
					2700						
					2800						
					2900						
					3000						
					3100						
					3200						
					3300						
					3400						
					3500						
					3600						
					3700						
					3800						
					3900						
					4000						
					4100						
					4200						
					4300						
					4400						
					4500						
					4600						
					4700						
					4800						
					4900						

Dredge } No. 5037 Date, March 11, 1912
Hydrog. }
Sdg. Mch. Hand line Reel Shot Lead 14 lbs.

Turns _____ Cor'n _____ Depth 8 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 57 Time 11:30 Air { 57
 { _____ Time _____ { _____

Density: Surf. _____ fms. _____

Wind: Direction S Force 3

Baromet. 30.08 Amt. of Clouds 10 State of Sea C

Weather B

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer Mr. P. P. P. Recorder H. W. P. 11-1023

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. 5734 Date, March 11, 1912
Sdg. Mch. Reel Shot Lead 12 lbs.
Turns Cor'n Depth 10 3/4 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 51 Time 10:40 P Air { 52°
5 Time 10:45 { 53

Density: Surf. fms.

Wind: Direction S E Force 3

Baromet. 30.02 Amt. of Clouds 9 State of Sea C

Weather bc

Direction and Force of Current { Surface
Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used 9' Agassiz, 12 inch

2 wire weights: 1 lb weight

3 lead flatter 1 unit bag

Time towing h. 1 m.

Remarks: Towed 10 minutes

with stopper on it.

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		<i>P</i> M. DOWN.	UP.	<i>P</i> M.
			0	12	40 00	1 04 30
			* 40 100	12	43 00	
			50 200	12	53 00	1 01 30
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
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			2300			
			2400			
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			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

~~Trawl~~ } No. 502 Date March 11, 1911
Hydrog. }
Sdg. Mch. Trawl Reel Shot/Lead lbs.

Turns Cor'n Depth 9 1/2 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make
No.

Cor'n { Instr.
Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time 1 0 1' } Air { 33
Time

Density: Surf. fms.

Wind: Direction S E Force 3

Baromet. 30.3 Amt. of Clouds 9 State of Sea C

Weather bc

Direction and Force of Current { Surface
Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
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			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 5735 Date, March 1, 1911
Hydrog. }
Sdg. Mch. Handline Reel Shot/Lead lbs.
Turns Cor'n Depth fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 51 Time 1:33 P } Air { 54°
51 Time 1:50 P } 54°

Density: Surf. fms.

Wind: Direction 1-5-5-5 Force 3

Baromet. 30.00 Amt. of Clouds 10 State of Sea 5

Weather n

Direction and Force of Current { Surface
Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used 1 beam trawl

2 wire snags 1 1/2 ft. net

3 1/2 ft. net 1 mul bag

Time towing h. 11 m.

Remarks: Tail net got near boat

Deck Officer Mr. R. King Recorder H. W. C. C. C.

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

0

1 27 30 1 2 30

50 100

1 32 30

65 200

1 36 15 1 50 15

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. 11 Date, March 11, 1914
 Hydrog. }
 Sdg. Mch. 11 Reel 11 Shot/Lead 11 lbs.
 Turns 11 Cor'n 11 Depth 11 fms.
 Sdg. Cup Amt. Bot'm Sample
 Character of Bottom
 Thermom. { Make Cor'n { Instr.
 { No. { Stem.
 Bottom Reading Cor'd Temp.
 Temp. Surf. { Time / 5 30 } Air { 54
 { Time {
 Density: Surf. fms.
 Wind: Direction Variable Force 3
 Baromet. 30.50 Amt. of Clouds 10 State of Sea C
 Weather sm
 Direction and Force of Current { Surface
 { Bottom
 Tide
 General Locality
 Position
 Chart used: No. Ed'n
 Drift: Direction Distance
 Depth of Haul
 Apparatus and Rig used
 Time towing h. m.
 Remarks:

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
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			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
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			3600			
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			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Sdg. Mch.		Reel	Shot Lead	lbs.
-----------	--	------	--------------	------

Turns Cor'n ^V Depth 9 2/4 fms.

<i>Sdg. Cup</i>	<i>Amt. Bot'm Sample</i>
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
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29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
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41	41
42	42
43	43
44	44
45	45
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48	48
49	49
50	50
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54	54
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63	63
64	64
65	65
66	66
67	67
68	68
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70	70
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81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

Character of Bottom -----

Thermom. $\left\{ \begin{array}{l} \text{Make} \\ \text{No.} \end{array} \right.$ Cor'n $\left\{ \begin{array}{l} \text{Instr.} \\ \text{Stem.} \end{array} \right.$

Bottom Reading *Cor'd Temp.*

<i>Temp.</i>	{	<i>Time</i>	{	<i>Air</i>	{
<i>Surf.</i>	{	<i>Time</i>	{	<i>Air</i>	{

Density: Surf.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

 fms.Wind: Direction *SE* Force *3*

Baromet.	29.8	Amt. of Clouds	10	State of Sea	1
----------	------	----------------	----	--------------	---

Weather 

Direction and Force of Current. { Surface
{ Bottom

Title _____

General Locality

Position a b c d e f g h i j k l m n o p q r s t u v w x y z 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99

Chart used: No. Ed'n

<i>Drift: Direction</i>	<i>Distance</i>
-------------------------	-----------------

Depth of Haul 1200m

Apparatus and Rig used Cl... ..

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[Faint handwritten notes at the bottom of the page]

Time towing h. 1.57 m.

Remarks:

Deck Officer / Recorder

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

0	2	11	00	2	33	40
S 0 100-	2	0	57	2	33	10
200						
300						
400						
500						
600						
700						
800						
900						
1000						
1100						
1200						
1300						
1400						
1500						
1600						
1700						
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4000						
4100						
4200						
4300						
4400						
4500						
4600						
4700						
4800						
4900						

~~Lead~~ } No. _____ Date, _____, 19____
Hydrog. }
Sdg. Mch. } (1) _____ Reel _____ Shot / _____ lbs.
Lead? _____
Turns _____ Cor'n _____ Depth / 0 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { _____ Time 2:34 P. } Air { 54 }
 { _____ Time _____ } { _____ }

Density: Surf. _____ fms. _____

Wind: Direction 1 variable Force 3

Baromet. 30.50 Amt. of Clouds 10 State of Sea C

Weather om

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer J. M. _____ Recorder _____
11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
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			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 1 Date, 1912
Hydrog. }
Sdg. Mch. 1 Reel Shot Lead 10 lbs.
Turns 100 Cor'n Depth 100 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom

Thermom. { Make Cor'n { Instr.
 { No. { Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 51 Time 2:50 P.M. Air { 54°
 { 57 Time 3:12 P.M. { 55°

Density: Surf. fms.

Wind: Direction Variable Force 3-4

Baromet. 30.00 Amt. of Clouds 10. State of Sea 0

Weather on

Direction and Force of Current { Surface
 { Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used

1. 100 ft. beam trawl
2. 100 ft. beam trawl

Time towing h. 2 m.

Remarks:

Deck Officer 1 Recorder 1

SOUNDING WIRE.			DREDGING CABLE.		
M. Down.	Up.	M.	M. Down.	Up.	M.
		0			
		50 100	2	50	00
		60 200	2	51	50
		300			
		400			
		500			
		600			
		700			
		800			
		900			
		1000			
		1100			
		1200			
		1300			
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		2700			
		2800			
		2900			
		3000			
		3100			
		3200			
		3300			
		3400			
		3500			
		3600			
		3700			
		3800			
		3900			
		4000			
		4100			
		4200			
		4300			
		4400			
		4500			
		4600			
		4700			
		4800			
		4900			

Bridge } No. 1 Date, July 1, 1915
Hydrog. }
Sdg. Mch. Reel Shot }
Lead } lbs.
Turns Cor'n Depth 13 fms.
Sdg. Cup Amt. Bot'm
Sample
Character of
Bottom

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time 2:15 } Air { 51
Time

Density: Surf. fms.

Wind: Direction S S E Force 4-5

Baromet. 29.7 Amt. of Clouds 10 State of Sea S

Weather Rain

Direction and Force of Current { Surface
Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder W. C. Gide

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

					0					
					100					
					200					
					300					
					400					
					500					
					600					
					700					
					800					
					900					
					1000					
					1100					
					1200					
					1300					
					1400					
					1500					
					1600					
					1700					
					1800					
					1900					
					2000					
					2100					
					2200					
					2300					
					2400					
					2500					
					2600					
					2700					
					2800					
					2900					
					3000					
					3100					
					3200					
					3300					
					3400					
					3500					
					3600					
					3700					
					3800					
					3900					
					4000					
					4100					
					4200					
					4300					
					4400					
					4500					
					4600					
					4700					
					4800					
					4900					

11-1025

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

0	9 32 00	10 00 00
100	38 10	57 10
165 200	9 41 00	0 00 00
300		
400		
500		
600		
700		
800		
900		
1000		
1100		
1200		
1300		
1400		
1500		
1600		
1700		
1800		
1900		
2000		
2100		
2200		
2300		
2400		
2500		
2600		
2700		
2800		
2900		
3000		
3100		
3200		
3300		
3400		
3500		
3600		
3700		
3800		
3900		
4000		
4100		
4200		
4300		
4400		
4500		
4600		
4700		
4800		
4900		

Amphioxus } No. 5049 Date, June 13, 1912.
Hydros.

Sdg. Mch. _____ *Reel* _____ *Shot* _____ *Lead* _____ *Lbs.* _____

Turns _____ Cor'n _____ Depth 23 fms.

Sdg. Cup *Amt. Bot'm Sample*

Character of Bottom

Thermom. $\left\{ \begin{array}{l} \text{Make} \\ \text{No.} \end{array} \right.$

Cor'n { Instr.
Stem.

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { } Time { } Air { }

Density: Surf. fms. ..

Wind: Direction *Variable* Force *4*

Baromet. 30.00 Amt. of Clouds 8 State of Sea S.

Weather

Direction and Force of Current. { Surface _____
 { Bottom _____

Tide _____

General Locality *Chaco, Argentina*

Position ..

Chart used: No. Ed'n

Drift: Direction	Distance
------------------	----------

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks: _____

Deck Officer *[Signature]*, Recorder *[Signature]*

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. 5349 Date, Jan 12, 1912
Hydrog. }
Sdg. Mch. Reel Shot Lead 14 lbs.
Turns Cor'n Depth 10 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time 10:59 a } Air {
Time

Density: Surf. fms.

Wind: Direction Variable Force 3-4

Baromet. 29.94 Amt. of Clouds 9 State of Sea S

Weather Fair

Direction and Force of Current { Surface
Bottom

Tide

General Locality San Francisco Bay

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul 130

Apparatus and Rig used 5' Tanner & Co. No. 1
100' line, 2' gaff, 1' weight

Time towing - h. 15 m.

Remarks:

Deck Officer J. S. Smith Recorder F. T. H. 17

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
			0	10 56 00	11 10 25	
			40 -100-	10 58 40	11 10 30	
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
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			2500			
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			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Haul on } No. 511 Date, May 10, 1911
Hydrog. }

Sdg. Mch. Handled Reel Shot Lead 11 lbs. 5

Turns Cor'n Depth 27 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 50° Time 11:20 a. Air { 51°

Density: Surf. fms.

Wind: Direction Variable Force 3

Baromet. 30.00 Amt. of Clouds 9 State of Sea S

Weather bc

Direction and Force of Current { Surface Bottom

Tide

General Locality San Francisco Bay.

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. 5240 Date, () , 1912

Sdg. Mch. } Reel } Shot } lbs.

Turns ----- Cor'n ----- Depth 7 fms.

Sdg. Cup ----- Amt. Bot'm Sample -----

Character of Bottom -----

Thermom. { Make
No. -----

Cor'n { Instr.
Stem. -----

Bottom Reading ----- Cor'd Temp. -----

Temp. Surf. { 50° Time 1:25 { 51°
50° Time ----- { Air { 51°

Density: Surf. ----- fms. -----

Wind: Direction S.W. Force 3-4

Baromet. 30.00 Amt. of Clouds 5 State of Sea 2

Weather -----

Direction and Force { Surface
of Current. { Bottom

Tide -----

General Locality -----

Position -----

Chart used: No. ----- Ed'n -----

Drift: Direction ----- Distance -----

Depth of Haul bottom

Apparatus and Rig used 5' beam trawl

1st net 1 2nd net 1 3rd net 1 4th net 1 5th net 1 6th net 1 7th net 1 8th net 1 9th net 1 10th net 1

Time towing h. 29 m.

Remarks: -----

Deck Officer ----- Recorder -----

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

P.M. Down. Up. P.M.

0	1	21	00	1	5-4	40
30 100	1	24	00	1	5-2	50
200						
300						
400						
500						
600						
700						
800						
900						
1000						
1100						
1200						
1300						
1400						
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1600						
1700						
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2900						
3000						
3100						
3200						
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3600						
3700						
3800						
3900						
4000						
4100						
4200						
4300						
4400						
4500						
4600						
4700						
4800						
4900						

Hydrog. } No. 1224 Date, July 11, 1912

Sdg. Mch. *7* Shot *16* lbs.

Turns	Cor'n	Depth	5' 1/2 fms.
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
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19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
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35			
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39			
40			
41			
42			
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47			
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49			
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51			
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86			
87			
88			
89			
90			
91			
92			
93			
94			
95			
96			
97			
98			
99			
100			

Sdg. Cup _____ *Amt. Bot'm Sample* _____

Character of Bottom

Thermom. { Make -----
 { No. -----

Cor'n { Instr. -----
 { Stem -----

Bottom Reading *Cor'd Temp.*

Temp. Surf. { 50° Time 1:55 } Air { 51°
Time

Density: Surf. 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 fms. 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100

Wind: Direction *110* Force *2*

Baromet. 30.00 Amt. of Clouds 5 State of Sea 2

Weather 

Direction and Force of Current.
 { Surface -----
 { Bottom -----

General Locality _____

Position

Chart used: No. _____ Ed'n _____

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing _____ h; _____ m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. Up. M.

M. Down. Up. M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. 5711 Date, March 11, 1911
Hydrog }
Sdg. Mch. Reel Shot Lead lbs.
Turns Cor'n Depth fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time 7:21 }
Time { Air { 12

Density: Surf. fms.

Wind: Direction N.W. Force 1

Baromet. 30.25 Amt. of Clouds 7 State of Sea S

Weather bc

Direction and Force of Current { Surface
Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

1 pair of wire traps 1 pair of wire traps
2 pair of wire traps 1 pair of wire traps

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
			0	1	30	1
			100	1	30	1
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
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			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Trawl No. 5011 Date, March 18, 1912
Hydrog. Sdg. Mch. Hand line Reel Shot Lead 4 lbs.
Turns Cor'n Depth 18 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom

Thermom. { Make Cor'n { Instr. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 50 Time Air {

Density: Surf. fms.

Wind: Direction n.w. Force 1

Baromet. 30.25 Amt. of Clouds 7 State of Sea S

Weather b.c.z.

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer

Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 574 Date July 1, 1911
Hydrog. }
Sdg. Mch. Handline Reel Shot/Lead 1 lbs.
Turns Cor'n Depth 20 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.
Temp. Surf. { 53° Time 1:10 } Air { 53°
Time 1:12 }

Density: Surf. fms.
Wind: Direction N.W. Force 1
Baromet. 30.2 Amt. of Clouds 8 State of Sea 3
Weather bc

Direction and Force of Current { Surface
Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used

Time towing h. 11 m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

~~Hydrog.~~ No. *1* Date, *Oct 10*, 19*12*
Sdg. Mch. *Reel* Shot/Lead *lbs.*

Turns _____ Cor'n _____ Depth *20* fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make _____
No. _____

Cor'n { Instr. _____
Stem. _____

Bottom Reading _____

Cor'd Temp. _____

Temp. Surf. { *56* Time *10:50* } Air { _____
Time _____ }

Density: Surf. _____

fms. _____

Wind: Direction *N.W.*

Force *1*

Baromet. *30.2*

Amt. of Clouds *8*

State of Sea _____

Weather *b. c.*

Direction and Force of Current { Surface _____
Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____

Ed'n _____

Drift: Direction _____

Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____

h. _____

m. _____

Remarks: _____

Deck Officer *Am. [Signature]*

Recorder *[Signature]*

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
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			1500			
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			2500			
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			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 5 Date, July 1, 1911
Hydrog. }
Sdg. Mch. Reel Shot/Lead lbs.
Turns ----- Cor'n ----- Depth 10 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom -----

Thermom. { Make ----- Cor'n { Instr. -----
 { No. ----- { Stem. -----

Bottom Reading ----- Cor'd Temp. -----

Temp. Surf. { 51 Time 11:00 A } Air { 54°
 { 51 { 54°

Density: Surf. ----- fms. -----

Wind: Direction n. w. Force 1-2

Baromet. 30.20 Amt. of Clouds 4 State of Sea S

Weather bcy.

Direction and Force of Current { Surface -----
 { Bottom -----

Tide -----

General Locality -----

Position -----

Chart used: No. ----- Ed'n -----

Drift: Direction ----- Distance -----

Depth of Haul -----

Apparatus and Rig used -----

Remarks: -----

Time towing h. 6 m.

Remarks: Accumulator, rope, etc.
on 2 tons: bridled up
carried away.

Deck Officer M. C. Recorder N. C.
11-1023

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

0	10	50	00	11	04	30
30 100	10	52	30			
200						
300						
400						
500						
600						
700						
800						
900						
1000						
1100						
1200						
1300						
1400						
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3900						
4000						
4100						
4200						
4300						
4400						
4500						
4600						
4700						
4800						
4900						

~~Hydrog.~~ No. 504 Date, March 18, 1912

Sdg. Mch. Hand line Reel Shot Lead 14 lbs.

Turns Cor'n Depth 15 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 5 Time Air { 5

Density: Surf. fms.

Wind: Direction N.W. Force 1-2

Baromet. 30.20 Amt. of Clouds 4 State of Sea 3

Weather b.c.

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Clancy Recorder H. W. C. 11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
.... M. Down.	Up. M.	 M. Down.	Up. M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
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			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 5724 Date, Jan 18, 1912
Hydrog. }
Sdg. Mch. Hand Lead Reel Shot Lead lbs.
Turns Cor'n Depth 57 fms.
Sdg. Cup --- Amt. Bot'm Sample
Character of Bottom

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 52° Time 1:27 } Air { 57°
Time

Density: Surf. fms.

Wind: Direction NW Force 2

Baromet. 30.14 Amt. of Clouds 2 State of Sea S

Weather bc

Direction and Force of Current { Surface
Bottom

Tide

General Locality San Francisco Bay

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used 9' dredge

as before

Time towing 15 m.

Remarks:

Deck Officer W. Clancy Recorder A. Tuttle

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
			0	1 23 50	1 44 30	
			25 100	1 26 50	1 45 15	
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
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			1400			
			1500			
			1600			
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			2000			
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			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Bridge } No. 5244 Date, Jan 18, 1912
Hydrog. }
Sdg. Mch. T. M. Reel Shot Lead 10 lbs.
Turns Cor'n Depth 5 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time 1:45 } Air { 55 }
Time

Density: Surf. fms.

Wind: Direction NNE Force 3

Baromet. 30.1 Amt. of Clouds 2 State of Sea 3

Weather Bc

Direction and Force of Current { Surface
Bottom

Tide

General Locality San Francisco Bay

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer J. C. Recorder J. H. 11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
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			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

11-1023

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

P M. Down. Up. P M.

0
60 ~~100~~

3	12	30	3	37	20
3	16	30	3	32	35

200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
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3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

Dredge } No. 5055 Date, Mar 13, 1912
Hydrog. }

Sdg. Mch. Smith Reel Shot/Lead 10 lbs.

Turns Cor'n Depth 12 1/2 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 52.0 Time 5:38 } Air { 57.0 }
Time

Density: Surf. fms.

Wind: Direction NW Force 2

Baromet. 30.10 Amt. of Clouds 2 State of Sea S

Weather bc

Direction and Force of Current { Surface Bottom

Tide

General Locality S. 2. 2. 2.

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer M. O. Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 574 Date, Dec. 18, 1912
Hydrog. }

Sdg. Mch. Hand Reel Shot } Lead } lbs.

Turns Cor'n Depth 26 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 52° Time 4:13 } Air { 64.5°
 { 52° Time 4:24 } { 64°

Density: Surf. fms.

Wind: Direction Force 0

Baromet. 30.09 Amt. of Clouds 1 State of Sea 5

Weather bc

Direction and Force of Current { Surface
 Bottom

Tide

General Locality SFBay

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used 9' beam trawl

Time towing - h. m.

Remarks:

Deck Officer Mr. Young Recorder C. G. Young

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

0
~~100~~
 200
 300
 400
 500
 600
 700
 800
 900
 1000
 1100
 1200
 1300
 1400
 1500
 1600
 1700
 1800
 1900
 2000
 2100
 2200
 2300
 2400
 2500
 2600
 2700
 2800
 2900
 3000
 3100
 3200
 3300
 3400
 3500
 3600
 3700
 3800
 3900
 4000
 4100
 4200
 4300
 4400
 4500
 4600
 4700
 4800
 4900

4	09	40	4	23	30
4	12	25	4	15	40

~~Hydrog.~~ } No. 5021 Date, 7. 2. 18, 1917.

Sdg. Mch. Hand Reel Shot Lead lbs.

Turns Cor'n Depth 19 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 52° Time 4:24 P. Air { 64°

Density: Surf. fms.

Wind: Direction Force 0

Baromet. 30.08 Amt. of Clouds 1 State of Sea 5

Weather bc

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. 5747-a Date, Mar 19, 1912
Hydrog. }

Sdg. Mch. Hand lead Reel Shot } Lead } lbs.

Turns Cor'n Depth 4 fms.

Sdg. Cup Amt. Bot'm Sample at beginning

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air { Time

Density: Surf. fms.

Wind: Direction Force 2

Baromet. Amt. of Clouds 1 State of Sea 2

Weather bc

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used 2000 yd. bag beam trawl
on outward leg

Time towing h. 7 m.

Remarks: Trawl hauled out at 5:00
and to 5:15

Deck Officer Recorder

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

Q. M. Down. Up. Q. M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

9 52 40 9 59 00

10 00 00 10 10 00

Fg

50516

11-14723

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

9 M. Down. Up. 9 M.

0	10	05	10	10	15	50
100						
200						
300						
400						
500						
600						
700						
800						
900						
1000						
1100						
1200						
1300						
1400						
1500						
1600						
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4100						
4200						
4300						
4400						
4500						
4600						
4700						
4800						
4900						

57
50512

Dredge } No. 5748 Date, Nov 1, 1912
Hydrog. }

Sdg. Mch. Hand (Reel) Shot } Lead } lbs.

Turns Cor'n Depth 10 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom sd Ml.

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air { Time

Density: Surf. fms.

Wind: Direction Force 1-2

Baromet. Amt. of Clouds / State of Sea

Weather bc

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul bottom

Apparatus and Rig used Tanner

Tow of large net 100 yds.

Time towing h. 8 m.

Remarks: Towed at 100 yds. 100 yds.

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
<i>Feet down</i>			0	<i>10 34 00</i>	<i>10 42 00</i>	
<i>back</i>			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

754

50526

Dredge } No. 5746 Date, October 19, 1912

Sdg. Mch. Hand Shot Lead lbs.

Turns Cor'n Depth 5 fms.

Sdg. Cup Amt. Bot'm Sample (1)

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air { Time

Density: Surf. fms.

Wind: Direction Force 1-2

Baromet. Amt. of Clouds 1 State of Sea 1

Weather 1

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul bottom

Apparatus and Rig used Trawl in tow of tugboat

Time towing h. m.

Remarks: 1

1 of mudlog lost.

Deck Officer Recorder

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

A. M. Down. Up. A. M.

*For all**0**10 45 00 5 53 00*

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

*AF**5052 a*

Dredge } No. 5748-C Date, March 19, 1912
(Hydrog.)

Sdg. Mch. Trawl Reel Shot/Lead lbs.

Turns Cor'n Depth 4 fms

Sdg. Cup Amt. Bot'm Sample at beginning of haul

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air {

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul bottom

Apparatus and Rig used Trawl

Stem of cutter

Time towing h. 8 m.

Remarks: 4 fms to 5 fms out

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	Up.	M.		M. DOWN.	Up.	M.
			0	10	35	06
			100	11	03	00
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

11-1021

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

11 13 20 11 27 30

Hy 56536

Dredge } No. 5247 - Date, (1902) 1902

Hydrog. } Sdg. Mch. Trawl Reel Shot/Lead lbs.

Turns Cor'n Depth 5 fms.

Sdg. Cup Amt. Bot'm Sample (at bottom)

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air { Time

Density: Surf. fms.

Wind: Direction Force 1

Baromet. Amt. of Clouds State of Sea

Weather bc

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used Trawl

Time towing h. 2 1/2 m.

Remarks: Trawl 5 ft. to bottom shore to 5 ft.

Deck Officer Recorder.

SOUNDING WIRE.

M. DOWN. | UP. | M.

FMS.

DREDGING CABLE.

M. DOWN. | UP. | M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

11 | 31 | 30 | 11 | 53.00

Hy 5053

Dredge } No. 5750a Date March 20, 1912
Sdg. Mch. Hand line - beginning Shot 14 lbs.
Turns Cor'n Depth 3/4 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom

Thermom. { Make Cor'n { Instr.
 { No. { Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air {
 { Time

Density: Surf. fms.

Wind: Direction Force 0-1

Baromet. Amt. of Clouds 10 State of Sea S

Weather

Direction and Force of Current { Surface
 { Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used Tanner in tow
from stern of small motor boat
Changed to large motor boat.

Time towing h. 33 m.

Remarks: 1 oar from beach, 2, 11
fms to 2 fms.

SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

0	10	12	30	10	45	30
100						
200						
300						
400						
500						
600						
700						
800						
900						
1000						
1100						
1200						
1300						
1400						
1500						
1600						
1700						
1800						
1900						
2000						
2100						
2200						
2300						
2400						
2500						
2600						
2700						
2800						
2900						
3000						
3100						
3200						
3300						
3400						
3500						
3600						
3700						
3800						
3900						
4000						
4100						
4200						
4300						
4400						
4500						
4600						
4700						
4800						
4900						

~~Hydrog.~~ } No. 50506 Date, March 22, 1917
Sdg. Mch. Hand Reel Shot Lead 10 lbs.
Turns Cor'n Depth 5 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom

Thermom. { Make Cor'n { Instr.
 { No. { Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air {
 Time

Density: Surf. fms.

Wind: Direction Force 0-1

Baromet. Amt. of Clouds 10 State of Sea S

Weather

Direction and Force of Current { Surface
 { Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

~~Arch. Officer~~ M. J. [unclear] Recorder H. W. [unclear]
in charge of boat

SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. 5730 E Date, March 1912

Hydrog. }
Sdg. Mch. Handling Reel Shot / ✓ lbs.

Turns _____ Cor'n _____ Depth 5 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { _____ Time _____ } Air { _____
 { _____ Time _____ }

Density: Surf. _____ fms. _____

Wind: Direction _____ Force 0-1

Baromet. _____ Amt. of Clouds 10 State of Sea S

Weather _____

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Bottom

Apparatus and Rig used mud bag towed from stern of cutter by large motor boat.

Time towing h: 16 m.

Remarks: Towed from 5 fms. to 7/8 for toward beach.

Deck Officer M. B. Porter Recorder G. V. Childs
in charge of boat

SOUNDING WIRE.				FMS.	DREDGING CABLE.					
M. Down.	Up.	M.			M. Down.	Up.	M.			
				0	10	45	00	11	05	00
				100						
				200						
				300						
				400						
				500						
				600						
				700						
				800						
				900						
				1000						
				1100						
				1200						
				1300						
				1400						
				1500						
				1600						
				1700						
				1800						
				1900						
				2000						
				2100						
				2200						
				2300						
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				2700						
				2800						
				2900						
				3000						
				3100						
				3200						
				3300						
				3400						
				3500						
				3600						
				3700						
				3800						
				3900						
				4000						
				4100						
				4200						
				4300						
				4400						
				4500						
				4600						
				4700						
				4800						
				4900						

11-14x2.5

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

~~Wm. B. Stedfield~~ Recorder
in charge of books

SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

11

18

50

11

27

50

~~Hydrog.~~ No. 5055 Date, March 20, 1912
Sdg. Mch. Jan 1 Reel Shot Lead 12 lbs.

Turns Cor'n Depth 5 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air { Time

Density: Surf. fms.

Wind: Direction Force 0 - 1

Baromet. Amt. of Clouds / 0 State of Sea S

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. J. C. Field Recorder
in charge of boat
11-1023

SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. 5751 B Date, March 2, 1912

Sdg. Mch. 1 Reel Shot Lead lbs.

Turns Cor'n Depth 5 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air { Time

Density: Surf. fms.

Wind: Direction Force 0

Baromet. Amt. of Clouds 10 State of Sea S

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used 2' Tonne towed from stern of cutter by large motor boat.

Time towing h. 13 m.

Remarks: Towed from 5 fms to 10 fms towards beach.

Mr. Bodelford Recorder J. W. Under in Charge

SOUNDING WIRE.			DREDGING CABLE.				
M. Down.	Up.	M.	FMS.	M. Down.	Up.	M.	
			0	11	32	50	11 45 00
			100				
			200				
			300				
			400				
			500				
			600				
			700				
			800				
			900				
			1000				
			1100				
			1200				
			1300				
			1400				
			1500				
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			2800				
			2900				
			3000				
			3100				
			3200				
			3300				
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			4000				
			4100				
			4200				
			4300				
			4400				
			4500				
			4600				
			4700				
			4800				
			4900				

11-1021

SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. 5724 Date, Nov. 2, 1911

Sdg. Mch. Hand Reel Shot Lead 14 lbs.

Turns Cor'n Depth 5 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom SM

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air { Time

Density: Surf. fms.

Wind: Direction C Wind Force 0

Baromet. Amt. of Clouds 2 State of Sea S

Weather Fe

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used 4 ft. beam trawl
Cutter towed by motor boat

Time towing 3 m.

Remarks: Towed from beach and
to ... - Motor boat
Cutter bottom clean

Deck Officer J. B. ... Recorder ...

SOUNDING WIRE.			FMS.	DREDGING CABLE.					
M. Down.	Up.	M.		M. Down.	Up.	M.			
			0	17	03	00	1	05	00
			100						
			200						
			300						
			400						
			500						
			600						
			700						
			800						
			900						
			1000						
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			4000						
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			4200						
			4300						
			4400						
			4500						
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			4700						
			4800						
			4900						

Tide gauge } No. 5056 Date, Mar 20, 1912

Sdg. Mch. 7 Reel Shot Lead 14 lbs.

Turns Cor'n Depth 5 fms.

Sdg. Cup Amt. Bot'm Sample 1

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air { Time

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer H. J. ... Recorder

SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

0

100

200

300

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3700

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3900

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4100

4200

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4900

Dredge } No. 5752 Date, , 1912
Hydrog. }
Sdg. Mch. An. Reel Shot / 4 lbs.
Lead
Turns Cor'n Depth 5 1/2 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom S. M.

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air {
Time

Density: Surf. fms.

Wind: Direction Calm Force 0

Baromet. 30.03 Amt. of Clouds 2 State of Sea S

Weather bc

Direction and Force of Current { Surface
Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used Hand Trawl; Cope Net

by 1/2 Mote boat

Time towing h. m.

Remarks: Toward beach.

Deck Officer H. P. H. Recorder H. P. H.

SOUNDING WIRE.					FMS.	DREDGING CABLE.				
.... M.	DOWN.	UP. M.		 M.	DOWN.	UP. M.	
					0	1	0000	1	0200	
					100					
					200					
					300					
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					4900					

Dredge } No. 5052 A Date, Mar. 20, 1912
Hydrog. }

Sdg. Mch. Hand Reel Shot/Lead 14 lbs.

Turns Cor'n Depth 5 fms

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air { Time

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Lt. Pollock in Chg of Boat Recorder A. T. H. 7

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M. Down.			Up.				M. Down.			Up.		
						0						
						100						
						200						
						300						
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